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Associated Students of the Montana School of Mines

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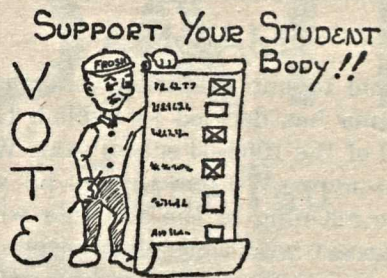
Montana School of Mines AMPLIFIER

Published by the Associated Students of the Montana School of Mines

Vol. VIII, No. 10

BUTTE, MONTANA

Friday, April 26, 1963



Professional Degrees

Five graduates of Montana School of Mines will be recipients of honorary Professional Degrees at the Commencement Exercises, June 3, 1963.

Professional degrees are awarded by the college in recognition of achievement.

A graduate engineer who has received a Bachelor of Science degree from Montana School of Mines, who has established a professional career of at least ten years of which five years have been a definitely responsible capacity, and who has contributed in an outstanding manner to the furtherance of his profession, is eligible to become a candidate for the appropriate professional degree of Engineer of Mines, Metallurgical Engineer, Mineral Dressing Engineer, Geological Engineer, or Petroleum Engineer.

An engineer, graduated from some institution of higher learning other than Montana School of Mines, who fulfills the above requirements, may become a candidate for a professional degree by invitation of the faculty of Montana School of Mines.

Frank W. Archibald

Frank Archibald will be the recipient of a Professional Degree of Metallurgical Engineer (Honoris Causa). He was awarded a B.S. in Mining Engineering from M.S.M. in 1940. From 1941 to 1957 he worked as a Metallurgist, superintendent of smelting, and assistant manager in plants of the American Smelting and Refining Co. in El Paso, Texas; Garfield, Utah; and Tacoma, Washington. From 1958 to present he has been with the Southern Peru Copper Mining Co. of Peru. Presently he is Vice-President and General Manager.

Frederick P. Gaethke

Frederick Gaethke will receive a Professional Degree of Geological Engineer (Honoris Causa). He received an Engineer of Mines degree from M.S.M. in 1917. He served in the armed forces from 1918 until the end of World War I. From that time until 1923 he was a miner and safety engineer for The Anaconda Company. From 1925 until his retirement he worked for the Anaconda Co., part of this time was spent as Manager of the Bleishcharley Mine in Poland.

John Raymond Moore

John Moore received his B.S. in Metallurgical Engineering at Montana School of Mines in 1936. From 1937 to 1951 he worked at the Zinc plant of The Anaconda Company and was Superintendent of the ferro-manganese plant there in 1951. Before moving to the east he was Assistant Superintendent of the Anaconda Plant in Anaconda. He is a member of AIME and has had much experience in the management of personnel. He will be the recipient of Professional Degree of Metallurgical Engineer (Honoris Causa).

Dr. Ettore A. Peretti

Dr. Peretti will receive his honorary Degree in Metallurgical Engineering. In 1934, he received his B.S. in Metallurgical Engineering at Montana School of Mines, and his M.S. in 1935. He received his Doctor of Science in Metallurgical Engineering in Germany in 1936. From 1936 to 1940 he was Instructor and Assistant Professor at Columbia School of Mines. He became Associate Professor at Notre Dame in 1946 and Professor in 1949. He became Head of the Department of Metallurgy in 1951, and has retained this position to the present.

Joseph Anton Wiendl

Joseph Wiendl will receive a Professional Degree of Engineer of Mines (Honoris Causa). In 1941 he earned his B.S. in Mining Engineering from M.S.M. He started as a trainee for Ingersoll-Rand after graduation, and worked as a salesman and office engineer until transferred to the rock drill department in 1948. In 1957 he was named manager of the rock drill department and moved up to assistant general sales manager in 1959. In May of 1961, he became vice-president and general manager of sales. He still holds this position.

Seniors Plan Trip

Approximately twelve seniors are planning to make a trip to Denver to attend the Joint Rocky Mountain Petroleum Sections of A.I.M.E. meeting during the week of May 27-31. Professor Stolz will accompany the group.

"Monday and Tuesday, May 27-28, members of the petroleum industry," Bill Watkins said, "will present papers for discussion on various aspects of petroleum engineering." While in the Denver area, the group plans to visit a number of industrial and manufacturing complexes, including the Martin Company Titan II Missile Plant in Littleton. Confirmation of other visits have not yet been received, but the seniors anticipate possible trips through Gates Rubber Company plant, Coors Porcelain Plant (and Brewery?) and Denver Sewage Disposal Plant.

The trip will be made by private car, leaving Saturday, May 25. The seniors will return either Thursday or Friday of that same week.

McDonald Dies

A retired School of Mines stationary engineer died after a short illness Tuesday, March 27, in Butte. Renald (Rene) McDonald is survived by his wife Sadie, two sons, and a daughter. Foreman Frank Lavelle recalls "Rene" as being especially well liked by all in his seven years at the Mines.

Late News...

Dr. Sidney L. Groff of the Montana Bureau of Mines and Geology will attend the 1963 Lignite Symposium at Grand Forks, North Dakota.

He will attend the meeting on April 30 and May 1.

* * *

The Butte Civic Orchestra and the Butte Civic Chorus will present a music week concert Sunday, May 5 at 3:00 p.m. in the School of Mines students may attend on presentation of suitable identification.

* * *

There will be a Convocation Tuesday, April 30, at 11:00 a.m. This is the pre-M-Day convocation for the presentation of candidates and announcements for M-Day.

* * *

Professor McLeod will travel to Pocatello, for a meeting of the Rocky Mountain Science Council from May 9 to May 12. Professors McLeod and Murray will go to Seattle to attend a conference from May 16 to May 19 of chemistry teachers of the Northwest states. Professor Stolz goes to Casper from May 25 to May 31 to attend the AIME, Rocky Mountain Joint Petroleum Sections Technical Meetings.

* * *

On "M" Day work crews will commence at 8:00 a.m. Lunch will be served at noon followed by a Kangaroo Court at 1:00. A sports program is scheduled for 2:00 on Leonard Field. At 9:00 p.m. a dance sponsored by the Copper Guards will be held in the SUB.

Grand Marshal of "M" Day is Ken Hill.

Fall Magma Announced

Ed Shumaker, yearbook editor, has announced that the 1963 Magma will be issued next September rather than this spring. Many reasons were given for this decision: first, the spring activities such as M-Day and the Junior Prom would not be included; secondly only last year's graduating class would be pictured and not the 1963 graduates.

The Magma staff took a poll of a cross section of the student body, and a majority appeared to be in favor of the fall annual.

Shumaker said that the preparation of the book is complete to this time, however, the staff wished to present a review of the entire year rather than just the end of last year and the beginning of this one.

Correction

The scholarship announced by the Continental Oil Company for 1963-64 was incorrectly stated in the last issue of the AMPLIFIER. The scholarship is for \$500.00.

Pierce, AIME Prexy, To Speak On June 3

Roger Vern Pierce, a prominent Montana School of Mines alumnus, will deliver the Commencement address at the Sixty-Third Montana School of Mines Commencement exercises, June 3. At the graduation ceremony, he will be awarded an Honorary Degree of Doctor of Engineering.

Dr. Pierce received his B.S. in Mining Engineering in 1935, and his M.S. in 1936. In 1954 he was the recipient of an Honorary Engineer of Mines degree from M.S.M.

New MSM Policies

New policies for advanced placement in college of high school students, for early admission of unusual cases of high school students who have not graduated, and for challenging college course work was adopted by the Montana School of Mines faculty at their meeting Tuesday, April 2.

This new policy was recommended to the University Council of Presidents by a special committee appointed to study the area of high school-college relations in Montana. Professor Stolz was appointed by Dr. Koch to serve on this special committee.

The new policy adopted by the Mines faculty becomes effective in the 1963-64 academic year. The policy statements were prepared by a Mines faculty committee comprising D. W. McGlashan, chairman; W. Clifford Laity, Gustav Stolz and William A. Vine. The exact wording in the Mines Catalog for these new policies is:

Advanced Placement

Advanced placement for high school graduates who have demonstrated unusual ability or who have completed work taken in an accelerated program of instruction at the high school level is recognized and accepted. Such advanced placement:

a. shall be based upon examination or other professional evaluation approved by the department and institution concerned; and,

b. may be translated into college credits equivalent to the work satisfied by examination or departmental evaluation, or may be considered as transfer credits such that said course requirements will have been waived.

Early Admission

A student of high school age who has not graduated from high school may be accepted for admission in highly unusual cases where demonstrated ability and general maturity warrant such acceptance. Evidence must be given of social maturity and personal responsibility.

Acceptance for early admission must be initiated by the student through his high school administrator. Such application must meet with specific agreement and recommendation of the high school and the appropriate college authorities."

(Continued on page 4)



ROGER V. PIERCE

can continent, consulting on Mine Mechanics. From 1940 to the present, he has been a consulting mining engineer in Salt Lake City.

Also in Salt Lake, he is vice-president and co-owner of the Cate Equipment Company, president of Shaft & Development Machines, Inc., co-owner and officer of the Machinery Center Inc. He is president of United Idaho Mining Company, and consulting engineer for clients in the U. S., Latin America, and Canada. He is the 1963-64 national president of the American Institute of Mining, Metallurgical, and Petroleum Engineers.

A leader of alumni affairs since his graduation, he has contributed greatly to the welfare and progress of MSM.

Library Gets Lights

The Montana School of Mines Library is going to get new diffused lighting. According to Frank Lavelle, Campus Foreman, no definite date is planned for when the lights are to be installed. All of the equipment has not yet arrived. When the new lights have been put in, it will be another improvement of the studying facilities at the Montana School of Mines campus.

MAGMA

It has come to our attention that the staff of our yearbook, **Magma** has decided to publish the 1962-63 annual in the fall of the 1963-64 school year. We question the wisdom of this move. We feel that in all ways this book will have more meaning to the students who read it if it is published current with this school year.

Although the staff claims that by publishing in the fall they are including all of this year's activities, we feel that a spring publishing date would not circumvent very many school activities. After all, isn't it possible to write about these activities before they occur? Many of them are set and arranged well in advance.

We are afraid that it is too late in this year to change the decision on publishing dates, but we hope that in the future the annual will be published when it is most newsworthy, in the spring.

VOTE

On May 1, M-Day, we are going to vote for the officers of the Associated Students, School of Mines. Let us remember that by our turn-out we are showing our support for our student body.

There are those who contend that this election, that our student council, and that all they do have no meaning. They are wrong. It is up to us to disprove these by supporting these elections, and by electing competent, interested, and energetic officers.

PARKING II

A recent event on campus has once again brought into sharp focus the parking problem that exists here. Not too long ago, approximately fifty cars were tagged with warning tickets because their owners had failed to register them. We applaud the Dean for this and his other efforts to solve our parking problems. What we are inquiring about are the material efforts that result from, or go into this parking matter.

For instance, a certain amount of money is accrued from parking, in the form of fines. In the November 30, 1962, **Amplifier** Dean McAuliffe stated, "From September 1957, to the present, \$108 in fines has been set aside in a fund that may be used for the control of parking." We were wondering if this money will be used to purchase needed stop signs; or if it will be used towards painting, or installing signs indicating one-way traffic in the circle.

What worries us most is the use of the phrase, "may be used for control. . ." We certainly hope that this fund is not diverted to some other use. These monies should be used now, to alleviate any problems that may exist, in order to prevent them from occurring when the problem becomes more acute.

Without using militant or expensive measures, it is, in our opinion, possible to correct the few traffic problems that exist on Montana School of Mine's campus.

AMPLIFIER STAFF

EDITORIAL STAFF

Editor	Lee Saperstein
Make-Up Editor	Mary Pat Tiddy
Feature Editor	Brenda Brophy
Sports Editor	Jerry Leveque
Assistant Sports Editor	George Sever
Women's News Editors	Carol Griffith, Doreen Shea
Photographers	Paul Badovinac, Dale Fellows
Reporters	F. Appleman, R. Blewett, C. Dunstan, J. Engleking, R. Erickson, L. Everly, M. Hagenson, W. Hagenson, W. Immonen, P. Kankelborg, D. Kehoe, R. Kotow, F. Peterson, W. Peterson, D. Ranney, D. Roesti, D. Sanders, T. Semmens, J. Sloan, M. Taylor.

BUSINESS STAFF

Business Ad Solicitors Mary K. Larsen, Beverly Phillips.

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ARTCRAFT PRINTERS BOZEMAN, MONTANA

Have You Heard?

Have you heard the alias by which many prominent students are known?

Bob "Mr. Kleen" Beyaert
Ken "Teapot" Hill
Walt "Sugar Plum" Nellis
Tom "The Great Pumpkin" Liebsch
Ed "Mr. McGoo" Erickson
Paulette "Sam" Kankelborg
Louie "Lushous" Gott
Johnny "Dollar" Dowis
Bev "Beaver" Phillips
Ed "Twardo" Davis
George "Sleeves" Bronson
Larry "C-Face" Ketcher
Al "Railbone" Raihl
John "Baby John" Badovinac
Jim "Fast Coat" Sloan
Gary "Jocko" Evans
Willers "Tubs" McLaughlin
Ed "Squeak" Shumaker
Dave "Bouggers" Greenberg
Graham "Chubby Checkers" Cadwell

Frank "Pete the Meat" Peterson
Carol "Senator" Griffith
Gordon "Goldie Locks" Austin
Hines and Blake "The Bobbsy Twins"

Linda "Gearless" Shifty
Bill "Baby Huey" Clarkson
Professor Young has met his match in chess. The donut deliveryman beat him in four moves one day recently.

Have you heard how the Judge received the big cut on the back of his head? Those swivel chairs are rough riding, huh, Judge?

Professor McCaslin has been defying the law of gravity lately. Everyone is wondering how he managed to fall UP the stairs.

When asked how he got the black eye, Pug Morgan answered, "I didn't know she was married."

Dave Rovig was chosen to make a visit to a nurses' residence via his bed in the back of his own truck. His good friends may have stolen his keys but were considerate in that they tied his jeans to the bed.

How did some of the coeds gain entrance to the Sigma Rho house, sneak up to second floor, and short-sheet one nice young man?

Have you noticed the long, sad face Gary Malyevac has been sporting? He'll learn to make those twenty dollar bets!

Aside from the chess craze another craze has become prominent on the Montana School of Mines campus. The latest "Brew Masters" are Ken Hill, George Bronson, and Gary Malyevac.

Why has Don Poole given up steam baths.

Professor Stout To Attend Classes At U. of Colorado

Professor Koehler S. Stout, head of the department of mechanics and electricity, will begin a ten-week course in advanced mechanics at the University of Colorado on June 17.

Mr. Stout has been granted the National Science Foundation Scholarship which enables him to go. The Foundation grants these scholarships in order to promote more work and upgrade the engineering sciences, such as fluids and thermodynamics.

Some of the courses to be offered are Applied Elasticity, Dimensional Analysis and Theory of Models, Inelastic Behavior of Structural Elements, Vibration Problems in Engineering, and Introduction of Applied Mathematics. In addition there will be a one-hour seminar each week.

Professor Stout will take these courses for credits.

In Recognition...

Brenda Brophy

There are on the School of Mines campus many hard-working but unrewarded staff members. John "Pug" Morgan, maintenance man, is one of these.



PUG

Pug was born in Butte and attended the Immaculate Conception grade school and Butte High School. Pug is married and has two sons. One of these is the well-known Moochy, mascot of the football team.

Pug first started working here when he was twelve years old. Later he worked in the mines and he served in the Army during the Second World War. Pug has been working here for six years now. In his role of maintenance man, Pug takes care of such things as electric fixtures in the buildings on campus. He takes care of anything that goes wrong.

Pug has a summer home at the Big Hole River where he spends his time hunting and fishing.

Dorm News

Have a pleasant Easter vacation? — Just think, in another month or so we'll all be heading home for the Summer holidays, some to take up their professional jobs, others to earn enough money to return here next year. For those of us spending our first year in residence, it's been quite an experience, especially getting used to being fused every other night.

The dorm council has been at work lately trying to get Cable T.V. Pat Marx has been assigned the job of looking into the costs of installation and monthly rates. It would sure be nice to be able to choose from several channels. A new telephone booth was recently installed in the dorm, and this one has a door—well, what will they think of next, eh!

This isn't exactly what we asked for though. At a council meeting last month the problem of telephones was discussed and an attempt was to be made to have extension phones on each floor of the dorm. I guess we don't get them, just a booth with a door this time.

The dormitory has recently been under fire from the dean's office, concerning those who must live in residence. Five freshman moved to the Rho house last month and this dropped the number living in residence to less than sixty as compared to last year at this time when there were more than a hundred. With only sixty in residence it is hardly worth keeping open. Well, it's certain there will be new rules covering this next year.

Bull Session

By Pete and Ray

Speaking of bull sessions reminds one of the story about four young bulls in a verdant pasture in Montana indulging naturally enough in a bull session.

Said the first, "I shall go to Moscow and become a Russian bull!"

Said the second, "I shall get a job in a brokerage office and become a Wall Street bull!"

Said the third, "I am determined to become a bull in a china shop!"

"Okay," nodded the fourth bull cheerfully. "Go out into the world if you will, but I love it right in this pasture and intend to stay here for heifer and heifer!"

Is it true that mineral dressers are the elite of the Engineering profession? Yes, this is indeed true, and this fact may be readily substantiated by Professor McGlashan or any of the members of his department who will give you a completely "objective and unbiased" statement of fact.

Speaking of fact, there are in excess of 5×10^8 thermodynamic equations which can be derived from the first three laws of thermodynamics.

As scoop reporters, we are constantly in contact with leading and worldly newsmen. Only last week we met and had lunch with a very prominent Cannibal reporter from darkest Africa. Some of the talk that this alert reporter overheard went something like this:

—Chieftain to captured lepidopterist: You must stick around for the festivities at tonight's banquet—you'll be profoundly stirred.

—Two African savages ran smack into Jayne Mansfield. "Just our luck," muttered one despairingly. "We have to be head hunters!"

—An "A" student in cannibal school was suspended for ten days. His misdemeanor: buttering up too many teachers.

One thing about Cannibals — they soon learn that they can't always keep a good man down. So School of Mines students (with the exception of those taking Organic Chemistry), there is never any need to worry.

For all you men working for the company, here's a story about hard rock mining. It so happened that one day during lunch in a drift, a miner stated that he sure was drilling through hard rock. "I had to use six starting bits this morning." The story went the rounds with each miner adding at least one more bit, until finally an old timer said, "Hell, you fellows haven't seen nothing yet. Why, I remember one time I was drifting up in the Bulcon and the rock was so hard that I drilled all morning and when I knocked off for lunch I had to leave my pard with his finger on the spot so I'd know where to begin."

Man: Little boy, what does your father do?

Boy: He is a conductor, Sir.

Man: What kind—streetcar or musical?

Boy: Neither. He was struck by lightning.

We are told that Electricity is a shocking course.

Circle K Disbands

The Circle K club, a service organization at M.S.M., officially disbanded at the March 21 meeting. Brian Cockhill, president of Circle K, moved that the club be dissolved because of a lack of participation of the members. The seven students attended agreed to this motion.

ASSM CANDIDATES

Sigma Rho



DAVE ROVIG

Rho candidate for Student Body Vice-President is Robert M. Shogren. Robert is from St. Paul, Minnesota, but graduated from Columbia High School, Richland, Washington with honors. He is a Junior in Metallurgical Engineering and has a scholastic average of 3.00. Bob belongs to Newman Club, is active in the American Society for Metals and A.I.M.E., and was president of the Residence Hall Council. In Sigma Rho he has held the offices of Vice-Archon and Sergeant-at-Arms.



CAL STROBEL

Rho's other candidate for Delegate-at-Large is Don "Pod" Podobnik from Anaconda. Don graduated with honors from Anaconda Senior High School in 1961 and was awarded a \$500 Freshman scholarship. He is a Sophomore majoring in Metallurgy. Don is a member of A.I.M.E.



RAY HYYPPA

David B. Rovig, Kalispell, is the candidate for student body President. Dave, a Junior in Mining Engineering, graduated from Flathead County High School with honors in 1960. He was Copper Guard Chancellor in his Sophomore year at M.S.M. as well as President of the Sophomore class. Among other activities, Dave was on the 1962 Magma staff, a member of A.I.M.E., and Residence Hall Council Chairman. This year Dave did a commendable job as A.S.S.M. president and was also Sigma Rho Archon.



BOB SHOGREN

Calvin J. Strobel is Rho's candidate for Secretary-Treasurer. Cal, from Terry, Montana, is a Junior in Petroleum Engineering and has a grade average of 3.30. He has been awarded a \$500 Freshman scholarship, a \$300 Cobb Foundation scholarship, plus two advanced scholarships. Cal is a member of A.I.M.E., Sigma Rho, and "M" Club. He lettered in football his first year at the Mines and in track he holds the Montana Intercollegiate record for the two-mile run. Cal is also an A.S.S.M. Delegate and Photo Club Secretary.



DON PODOBNIK

Candidate for Delegate-at-Large is Ray Hyyppa from Whitehall. Ray graduated from Whitehall High School where he was student body president his Senior year. At M.S.M. Ray is a Junior in Mining Engineering. He was a Copper Guard Duke, is vice-president of the Junior class, vice-president of the Anderson-Carlisle Society, and is an active member of Sigma Rho.

Non-Fraternity Candidates to Run

Lee Saperstein, Don Hruska, and Frank Trask have announced their intention to run for office in the ASSM. Each of these men are running by their own choice, and have no political or social affiliations. Their only obligation is to the student body as a whole. Saperstein is running for Secretary-Treasurer, Hruska and Trask are running for delegate-at-large.

They do not have many funds for putting up fancy posters and must depend upon your attendance at the election convocation in order to present their platform.

**VOTE
for
the
CANDIDATE
of
YOUR
CHOICE**

REQUEST

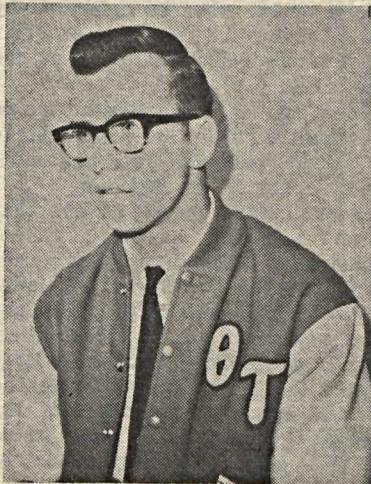
All candidates should have a representative to assist in counting the election ballots immediately following the Kangaroo Court. The counting will be done in room 101, Engineering Building.

Theta Tau



JOCKO EVANS

Jim Conway, a Junior in Mineral Dressing, is Tau's candidate for vice-president. Jim has a 3.74 scholastic average and has been awarded the Rotary Club Scholarship and a High School Honor Scholarship. He has been a member of the Copper Guards, has lettered in baseball and basketball, and has held the offices of secretary-treasurer of the M-Club and corresponding secretary of Theta Tau. Presently, Jim is Regent of Theta Tau and an active member of the Newman Club, AIME, and ASM.



NEIL SULLIVAN

Joe Bates, candidate for delegate, is a sophomore majoring in Metallurgical Engineering. An honor graduate from Anaconda High School, he has a 2.20 grade point average at the Mines. Joe has participated in intramural sports, was a member of the Dorm Council, and has received a Freshman Honor Scholarship and the Women's Auxiliary of AIME Scholarship. At present, he is vice-president of the Theta Tau pledges and a member of ASM and AIME.



ED SIMONICH

Theta Tau's candidate for student body president is Jocko Evans, a junior in Petroleum Engineering. Jocko has maintained a 2.76 grade point average in two and one-half years at the Mines while lettering in football. At the present time, he is president of the M-Club and secretary of the Theta Tau pledges. Jocko is also a member of the Hall Council and the AIME and was the chairman of the Chemistry Department for E-Days.



JIM CONWAY

The Theta Tau candidate for secretary-treasurer, Neil Sullivan, graduated with honors from Butte Central High School in 1960. He has been an active participant in intramural sports and is a member of the Copper Guards, AIME, ASM, and Newman Club. Neil is a junior in Metallurgical Engineering and has maintained a 2.30 grade point average.



JOE BATES

Theta Tau's other candidate for delegate is Ed Simonich. Ed has maintained a 3.66 scholastic average in one and a half years and is a two-year letterman in football. He has been awarded a High School Honor Scholarship and a Freshman Honor Scholarship from the school. He presently holds the offices of secretary-treasurer of the M-Club, president of the Copper Guards, and president of the Sophomore Class.

ASSM CONSTITUTION

**ATTEND
ELECTION
CONVOCATION**

April 30

PREAMBLE:

This association, composed of the students of the Montana School of Mines and alumni as provided in Article I, is brought into existence to promote a greater efficiency in the management of student affairs of general concern, to preserve old traditions and to foster the growth of worthy new ones, to develop better acquaintance and friendship among those directly interested in this institution, and to advertise more fully the worth of their alma mater.

ARTICLE I

Name and Membership

Section 1. The name of this organization shall be, "The Associated Students of the School of Mines". The accepted abbreviation for this name shall be, "The A.S.S.M."

Section 2. All registered students of the Montana School of Mines are eligible for active membership. The Alumni of the School of Mines are eligible to honorary membership upon payment of the same fee as the students and shall enjoy all the privileges of active membership, except that of voting.

Section 3. Active membership is gained at time of registration by the payment of the student activity fee for that semester. Payment of this fee shall entitle the student to admission to all athletic contests and other events held under the auspices of the A.S.S.M.

Section 4. No student may represent the student body in any way who is not an active member of the A.S.S.M.

Section 5. The student activity fee shall be fifteen dollars (\$15.00) for each semester. This fee is subject to change by the A.S.S.M. only by constitutional amendment.

ARTICLE II

Officers and Their Duties

Section 1. The officers of the A.S.S.M. shall be president, a vice-president, a secretary, a treasurer, a student manager, two delegates-at-large, and a faculty advisory committee.

Section 2. The president shall preside at the meetings of the A.S.S.M., shall be ex-officio chairman of the executive committee, and a member of all other student committees but without vote. The president shall call meetings of the executive committee at least twice a month. When occasion demands, he shall act as the official representative of the A.S.S.M. or may delegate this power to the vice-president. The president must have attended the School of Mines for at least two academic years including the one during which he is elected, and must have obtained sufficient credits to be a junior or senior in standing.

Section 3. The vice-president shall preside at meetings when the president is compelled to be absent. He may, when so delegated by the president, act for the president at committee meetings or other special occasions. He must comply with the same conditions as the president before he may be elected to office.

Section 4. The secretary shall keep a record of the proceedings of the A.S.S.M., and of the executive committee. He must have been in attendance at the School of Mines for at least one year and must have obtained sufficient credit to be a sophomore in standing.

Section 5. The student manager shall have served as assistant student manager for at least one year and shall have been in attendance at the Montana School of Mines for at least two years prior to appointment. He shall be appointed by the Director of Athletics and his appointment shall be subject to the approval of the President of the School of Mines and the faculty student advisory committee. He shall cooperate with the coaches and the faculty student advisory committee. He shall be custodian of all property belonging to the A.S.S.M. subject to the direction of the executive committee of the A.S.S.M. and the faculty student advisory committee. He shall travel with teams representing the School of Mines and be responsible for the incidental details of the trips.

Section 6. There shall be a faculty student advisory committee selected by the President of the School of Mines, who shall cooperate with the coaches and student manager in arranging schedules, contests, contracts, and team trips.

No debts shall be incurred over and above the budget allotment without the approval of the faculty student advisory committee; and in the event of a disagreement in regard to expenditures, contracts, or schedules, appeal shall be made to the executive committee, which shall have final power.

Section 7. Schedules for all contests, contracts for the same, and a statement of the funds necessary for these shall be submitted by the student manager to the executive committee of the A.S.S.M.; if approved by this committee, they shall be submitted to the President of the School of Mines for his approval.

No contract shall be considered valid and binding upon the A.S.S.M. until signed by the student manager and the ex-officio treasurer of the A.S.S.M. and approved by the executive committee.

Section 8. At the time of the regular election each year, there shall be appointed by the Director of Athletics, two assistant student managers for the following year. They shall cooperate with and assist the student manager in the performance of his duties. They must be in at least their second semester of attendance at the School of Mines in order to be eligible for these positions.

Section 9. The business manager of the School of Mines shall be ex-officio treasurer of the A.S.S.M. He shall:

- Be responsible for the funds of the A.S.S.M.
- Honor all duly signed requisitions up to the amount of the budget apportioned to the account on which the requisition is drawn.
- In case the amount of the budget for any particular activity has been exhausted, the treasurer shall notify the president of the executive committee and under no circumstances shall he honor any additional requisitions against the account of that activity without being duly authorized to do so by the executive committee.
- He shall present a financial statement of the A.S.S.M. at each regular meeting of the executive committee.

Section 10. All A.S.S.M. funds shall be deposited in a local bank, and shall be drawn out only upon a check signed by the treasurer of the A.S.S.M. Requisitions for checks shall be presented to the treasurer signed by both the student manager and the faculty student advisory committee.

ARTICLE III

Election of Officers

Section 1. No person who is not an active member shall be eligible to hold office, elective or appointive, in the A.S.S.M.

Section 2. Only active student members shall be granted the privilege of voting at any election or meeting of the A.S.S.M.

Section 3. The president, vice-president, secretary and two delegates-at-large shall be elected on M-Day, the first Wednesday in May. Notices to this effect shall be posted at least a week previous to M-Day.

Section 4. Voting shall be carried out according to the Australian ballot system under the supervision of a special committee appointed by the president of the A.S.S.M.

Section 5. The executive committee of the A.S.S.M. shall have general charge of all details of the election.

Section 6. It shall require a majority vote to effect the election of any officer.

Section 7.

(a) Candidates for president, vice-president, secretary and two delegates-at-large must be nominated by a petition bearing signatures of at least ten active members of the A.S.S.M. and of the candidates also, this petition to be filed with the secretary of the A.S.S.M. during the last two weeks of April. No member having signed a petition nominating one person for an office may be counted as a signatory for another nominating petition for the same office. The names of all candidates for offices must be posted by the secretary on the school bulletin boards at least five days before the election.

(b) Any student member of the A.S.S.M. who has completed his freshman requirements and is not on probation as of April 1, is eligible to hold any elective office of the A.S.S.M., except president and vice-president. Freshmen are eligible for the office of secretary only, provided they are not on probation as of April 1.

(c) In case of a dispute over the scholastic qualification of a candidate for office in this organization, the Registrar of the School of Mines shall have the power to determine said eligibility.

Section 8. Should any officer resign or leave college before his term of office is completed, a successor shall be elected by ballot at the next regular meeting of the A.S.S.M. which shall be held within one month following the resignation or departure of the officer.

Section 9. Officers shall be installed one week after election, and shall fulfill their duties until their successors are installed.

ARTICLE IV

Impeachment

Section 1. Any student officer, elective or appointive, may be impeached, or any student member may be suspended or expelled. A three-fourths vote of the entire membership shall be necessary for impeachment, suspension, or expulsion.

Section 2. Impeachment proceedings may be instituted by a petition signed by ten per cent (10%) of the members.

ARTICLE V

Committees

Section 1. The standing committees of the A.S.S.M. shall consist of the executive committee, and such other committees as may be formed by a majority vote of the members of the A.S.S.M.

Section 2. The executive committee shall consist of the president, vice-president, secretary, student manager, faculty-student advisory committee, and the two delegates-at-large. Any student member of this committee who is absent from three consecutive meetings is considered, unless granted leave of absence by the committee, to have vacated his office, and the committee shall call for nominations and a special election for his successor.

SECTION 3. The faculty advisory committee shall consist of three faculty members appointed by the President of the School of Mines. They shall be members of the executive committee, but only one member of the said faculty committee shall cast a ballot.

SECTION 4. The executive committee shall hold regular semi-monthly meetings at a time and place determined by the committee at the first meeting of the school year. Five members shall constitute a quorum. Special meetings shall be called by the chairman when necessary.

Section 5. The powers and duties of the executive committee shall be:

- During the first two weeks of the school year, the executive committee shall apportion the available funds of the A.S.S.M. to the various activities to be sponsored during the school year, and a copy of this budget shall be posted on the bulletin board by the secretary not more than five days after the date of the meeting.
- The executive committee shall have charge of all inter-class contests, M-Day, rallies, smokers, wearing of school insignia, and other traditional affairs which may be observed.
- Any interscholastic contest or proposed expenditure to be under the auspices of the A.S.S.M. shall be subject to the approval of the executive committee.
- Any bills incurred by the A.S.S.M. shall be subject to the approval of the executive committee.

Section 6. Appeals

(a) Any decision of the executive committee may be subjected to rescission by the A.S.S.M.

ARTICLE VI

Meetings of the A.S.S.M.

Section 1. Regular meetings of the A.S.S.M. shall be held once each month. Special meetings may be called by the president or the executive committee. The president shall call a special meeting at any time upon a signed petition by ten members. Two school days notice, posted on the bulletin boards, must be given of such a meeting.

Section 2. Fifty per cent of the active members of the A.S.S.M. shall constitute a quorum.

Theta Tau Platform

Let us consider the type of governing body that is desirable for an organization such as the ASSM. If you personally were asked to select a governing body, you would look to those persons who exhibit leadership qualities. By leadership qualities we mean a person who is conscientious, alert, intelligent, industrious, cooperative, and capable of exercising judgment for the good of the overall organization.

Surely we are not naive enough to believe that the Mines is crowded with individuals who possess all of the above qualities. Rather we would suggest that the best place to find a man working for the good of his organization is to first locate such a working group. Observation of several such groups would reveal that the same individuals appear to support and work on many projects. It is this type person that is needed for the student government—a person who is acquainted with the many projects and organizations on the campus. Look around you, we are sure that you will recognize these people.

Because a person who takes an active interest in one organization often takes an interest in many, you will find that your leaders are often members of national organizations working for the growth and encouragement of their selected profession. Membership in a national fraternal organization, such as Theta Tau, is a natural outgrowth of these interests. It is the strong desire of Theta Tau's candidates to promote the best interests of all the students at the Mines.

The following is a short explanation of Theta Tau's platform for the 1963 campaign. To augment the perennial proposal for closer relations and better communication between the Student Body and the faculty, Theta Tau feels that the creation of a Student Senate would enable the students at large to take a more active participation in the dealings of the Student Council.

Theta Tau also feels that, although the dances on campus need some form of supervision, it should be possible to hold dances at the Student Union Building without formal application to the school administration. It would seem that the SUB building could be opened on weekends for groups with only a notification to the manager. This of course would not apply to formal dances and other major campus functions.

It is also very likely that a closer association between the Student Council and the Alumni Association would provide for better advertisement of the school. A more competent advertising program would result in attracting those who would otherwise choose a different college and thus be lost to MSM and the minerals industry.

We of Theta Tau only ask that when you vote, do so with an open mind. Weigh the facts and choose a candidate who will best benefit the entire student body. We did the same when we nominated our candidates.

"When children ask awkward questions, invention is the necessity of mother."

"Middle-age is when you can do everything you used to, but not until tomorrow."

Research Dept. Mineral Dressing

In each issue of this paper, an effort is being made to acquaint its readers with some of the research which is being carried out at the school. In the Mineral Dressing Department Bob Burns is presently engaged in the fundamentals of comminution. Comminution means the breaking of rock. Mr. Burns is doing this work on a cooperative program with the Allis-Chalmers Manufacturing Corporation.

Fundamentals of comminution is a long term which means the investigation into the nature of size distribution of crushed, brittle materials. The experiment is being carried out in two parts, the analytical which was completed last year, and the experimental. The experimental part of this work is the verification of the analytical, and is the part Mr. Burns is doing now. The analysis is very complicated, but as simply as possible is based on the probability theory, which is similar to the theory used in solving card games or the "games theory."

This is a relatively unknown field of research. Some work was done previously by Dr. Gilvary who was a physicist with Allis-Chalmers; however, his work was carried out assuming ideal conditions, and he also used two machines which did not make his calculations correlative. Mr. Burns, who was loaned a jaw crusher by the Traylor Manufacturing Company, will get the same results from a single machine, which is unique in that it can do the same work as the two used previously and his results will be relative.

Most of the calculations are very complicated so most of the results will be computed in Bozeman. The Allis-Chalmers Corporation will check his results at their main office in Milwaukee. Mr. Bert Bergstrom is working in liaison between Mr. Burns and Allis-Chalmers.

Murray to Do Research

Professor Joseph Murray has recently been chosen by the National Science Foundation to do research this summer at Oregon State University. The Summer Research Institute which is sponsored by Oregon State University will function for a period of eight weeks during June 17 through August 9.

Mr. Murray's research is in the field of organo-metallic compounds. These compounds are used as intermediates for the preparation of many drugs.

Campus Organizations International Club

In the spring of 1957 the International Club was formed on the Campus. The Club is open to students from every nation, and its purpose is to encourage friendship and better understanding among foreign and American students. The International Club holds two or three open meetings a year. When these meetings are held, students give talks telling of their country which gives the public a chance to learn more about other countries. The Club sponsors a model United Nation on Campus and the International Club dance. In the spring a picnic is held for the club.

Members of the club, particularly students of foreign nationalities, present talks to different civic groups and organizations around Butte.

The Student officers are: President, Raif Zacca; Vice President, Lee Saperstein; Corresponding Secretary, Jean Parker; Recording Secretary, Brenda Brophy; Treasurer, Donald Hruska; and Amplifier Correspondent, Arnon Gutfeld. The club advisor is R. I. Smith.

Mineral Club

The Mineral Club is composed of students who are interested in the study and collection of minerals. Monthly meetings are held and a number of field trips are organized to visit some of the many interesting mineral occurrences in this part of the state. The club has lapidary equipment for cutting and polishing your prize specimens. The club officers are: President, Edward Smith; Vice-President, Donald Hruska; and Secretary-Treasurer, Sharon Breen. The club advisor is F. N. Earll.

Stolz to Teach at O. U.

Gustav Stolz, Jr., consultant and professor of Petroleum Engineering at Montana School of Mines, is one of five petroleum engineering educators in the United States chosen by Continental Oil Company to participate in the Company's four-week Reservoir Engineering School in Norman, Oklahoma. The announcement was made by J. J. Reynolds of Houston, Texas, Chief Engineer of Continental's Production Department.

Professor Stolz will attend the three day portion of the school which treats pressure build-up and drill-stem test analysis on April 27, 29, 30. It is anticipated that Professor Stolz will teach this portion of Continental Oil Company's future Reservoir Engineering schools. States.

WOMENS NEWS

By CAROL GRIFFITH and DOREEN SHEA
"PROJECT 600" TEA TO BE HELD

A "Project 600" Tea will be given by the AWS April 28th, in the Copper Lounge. Senior girls from the two Butte high schools, and those from high schools in Whitehall, Boulder, Deer Lodge and Anaconda, have been invited to attend.

Chairmen of the various committees have been appointed by Carol Griffith, AWS president. They are as follows: Lynn Estey, general chairman; Linda Everly and Doreen Shea, publicity; Barbara Rauh and Peggy Davis, refreshments; Willy Thompson and Bev Phillips, decorations; Kitty Keene, invitations.

The purpose of this "Project 600" Tea is to interest more graduating senior girls in attending Montana School of Mines.

HAYRIDE HELD

The Co-eds held a hayride party Saturday, April 20, at the Columbia Riding Stable. All expenses were paid by the girls and refreshments were served afterward.

Graduate Research Department of Mining Engineering

Mr. Yooth Yuckpan, upon his graduation from Bangkok's Chulalongorn University, accepted a job with the Royal Department of Mines in Bangkok. While working there, in Thailand's capital, on the Gulf of Siam, Yooth became increasingly aware of the need for the initiation of open pit copper mining in his country. Also, he had heard that M.S.M. is a prominent school in that field. Before long, Yooth departed across the waters to obtain the knowledge he needed to help make his country's mining program more modern and efficient.

Yooth realized from the first that open pit mining can be comparatively economical when the depth of overburden permits and when exacting consideration is given to two weighty problems—the problem of selecting the proper size and type of equipment and secondly, the problem of designing the pit. In explanation of the gravity of the second problem, for a pit which measures 4000' by 5000' and which is 1000' deep, one degree of change in slope involves 20 million tons of material. Ten degrees of change in slope involves 220 million tons or, at 40c a ton, nearly 100 million dollars. Bearing these facts in mind, Mr. Yuckpan is composing a thesis concerned with open pit planning.

Fraternity News

Sigma Rho

SIGMA RHO ON TV. Friday, March 29, in an effort to add to our main floor furnishings three Sigma Rho members appeared on KXLF-TV for a 15 minute, morning program. Dave Rovig, Dave Robertson, and Conrad Engelhardt told the purpose of the house, its history, its needs and problems. A brief picture tour of the house was given to acquaint the audience with the fraternity house. Edward Peiss of KXLF conducted the program on a question and answer basis. We thank the people who generously donated chairs, tables and other needed items.

BACK TO TWENTY-FOUR. One weekend before Spring vacation several house residents helped six pledges move into the house. Our new Rho house residents are George Barker, Mike Benn, Russ Bills, Jim Rose, Kent Taylor, and Lee Tedesco. We feel that approximately 24 residents is ideal: the house easily accommodates 24, the chore load for each individual is lighter, and our financial condition is comfortable.

Since the smorgasbord dance on the basement dance floor of the Rho house on March 28 was such a success, the fraternity plans to sponsor another on April 26th or 27th. Plans will be made at the next fraternity meeting.

We welcome Dean Goodrich as a new spring semester pledge.

Roger V. Pierce, who made our house possible and who we are always glad to see, attended our March 29, fraternity meeting. He brought us up to date on his activities and plans concerning the Rho house. During the summer months we plan to improve the condition of the house considerably.

Erickson Wins Scholarship

Edward J. Erickson, senior petroleum student at M.S.M., was the recipient of the Butte Rotary Club's annual award scholarship. During the past two years he has maintained a 3.5 grade index. Erickson is married and has a family. He works daily as the seismograph operator at school; on Friday afternoons, at Knievel Imports; and on Saturdays as a grocery clerk. Still participating in sports, he was an officer in the ski club, and a member of the Copper Guard. Previously he has earned the Women's Auxiliary to the AIME scholarship, and an advanced scholarship.

Geologist Joins Bureau Staff

Dr. Ralph H. King, formerly of the Kansas Geological Survey, has joined the staff of the Montana Bureau of Mines and Geology according to an announcement by Dr. E. G. Koch at a recent faculty meeting at the Mon-



DR. RALPH H. KING

tana School of Mines. Dr. King was with the Kansas Geological Survey for about eight years as geologist and editor. Prior to that he had worked eight years with the U. S. Geological Survey as geologist on various projects, principally concerned with non-metals and ground water. He is no stranger to Montana, having done some of his survey work in this State. He is the author of many technical and scientific publications on economic geology, stratigraphy, and paleontology.

Dr. King was born in Primghar, Iowa, in 1909; attended the University of Texas where he received his Bachelor of Science degree in 1931 and his Master of Science degree in 1933. He received his Ph. D. from the University of Kansas in 1956.

Dr. King is married; his son Roy, 18, is attending college, and his wife Ruth with daughters Rosemary, 15, and Roxanne, 6, will remain in Lawrence, Kansas, until the current school term ends, when they will rejoin husband and father in Butte.

Sub News

Last Friday, a amateur hour came to the School of Mines SUB. About eight students skipped their 11:00 class to participate. "Rip" McMeekin was at the piano; George LaBranche, Joe Barger, and Jon Engleking were playing the guitars.

The song that attracted most of the attention was called "The Stripper."

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Infielders Return for Fourth Season

This month the Amplifier would like to pay special recognition to Tom Leibsch and Frank Quilici who are playing for their fourth consecutive year with the Montana School of Mines Baseball team.

Tom, a junior, has had a lot of experience in baseball. He played two years with the Helena American Legion team, and four years in the Copper League. Of these years, he played three with the East Helena team and last year with the McQueen Athletic Club.

Tom is active around the Campus in many clubs and organizations. Among these are the Copper Guards, Theta Tau, M-Club, A.I.M.E., and he is Vice-President of the Student Council.

Frank, also a junior, has played for McQueen Athletic Club for two years in the Copper League

and for two years in the Intermediate League.

Frank is a member of A.I.M.E., M-Club and the Newman Club. He played football for one year and has been active in the Intramural Program.

Frank and Tom are both juniors in Petroleum Engineering.

Handball

In close and hard-fought games, Bill Tiddy and Frank Panisko defeated Earl McCarthy and George Sever in the handball doubles championship. Sever and McCarthy took the first game, 21-14, while Tiddy and Panisko took the second two, 21-16 and 21-17.

Keeping a secret from some people is like trying to smuggle daylight past a rooster.

Simonich's Travels Kansas City

"Big Ed" spent six enjoyable days in Kansas City during the week of March 11 as the official representative of the Montana, Wyoming, Idaho, NAIA District Five at the NAIA National Basketball Tournament.

While in Kansas City, Ed participated in meetings of rules committees and of district chairmen.

The last day of the tournament, Saturday, was spent in a general meeting of all NAIA members. Even with all these meetings and conferences in progress, Ed found time to take in tournament play.

Eastern Montana, District Five representative was defeated by a Western Carolina five in a close 64-61 battle. Western Carolina carried on their fine play all the way to the NAIA championship bracket where they were defeated by an excellent team from Pan American College.

We would like to congratulate Mr. Simonich on his second straight National Association of Intercollegiate Athletics championship basketball play-off. Ed has done a tremendous job as district Five's chairman and we hope he can be as successful in his remaining year as chairman.

Missoula

During March 28, 29 and 30, Mr. Simonich will be in Missoula to speak before the American Association of Health, Physical Education and Recreation Teachers. Ed will speak on physical education from the recreational aspect while two other speakers will discuss physical education in the high school and on the college level.

McBride to Banff

Mrs. Louise L. McBride, associate professor of languages at Montana School of Mines, attended the Pacific Northwest Conference on Foreign Languages on April 19 and 20. The conference at Banff, Canada was sponsored by the University of Alberta Fine Arts Branch.

Basketball Monogram Men 1962 - 63

THOMAS LIEBSCH
PATRICK MARX
FRANK SOPKO
JOHN BADOVINAC
VICTOR MAGNUS
WILLIAM BAYLIFF

VOLLEYBALL STANDINGS TO DATE

	W	L
Rho I	0	2
Rho II	0	3
Rho III	1	2
Tau I	3	0
Tau II	0	2
Tau III	2	0
Tau IV	3	0
Tau V	Dropped	Out
Dorm Dependents	2	2
Chodda Choppers	1	1
Faculty	3	0

Nile Attends Meeting

On April 8-10, Dr. Stephen W. Nile, Head of the Physics Department at MSM, attended a meeting of the Seismological Society of America and the Cordilleran Section of the Geological Society of America held at the University of California in Berkeley, California.

The seismograph station at MSM operates 24 hours daily; the charts are studied only once each day. The seismographs not only record earth tremors in our own locality but also those occurring in other parts of the world.

Ed Erickson, a petroleum senior, is employed by the U. S. Coast and Geodetic Survey and is responsible for changing and processing the records.

"An optimist is a fisherman who takes along a camera."

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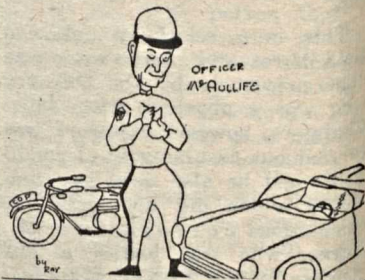
The Varied Sound
of Music in
Southwestern
Montana

NEW MSM POLICIES

(Continued from page 1)

Challenge

The intent of the challenge is to give the student the opportunity to earn college credits and grade points without formal enrollment in courses. If, on his own initiative and his own time, a student has completed the work of a college course of instruction he may, by agreement with his advisor and with the approval of the instructor and department, take a comprehensive examination in the subject matter of the course. Performance in the examination will become the basis for a grade in the course and the results will be recorded with the Registrar. Official permission forms should be secured in advance from the Registrar and a fee of \$3.00 a credit is charged for the examination. Only full-time students registered in a regular curriculum may request a challenge examination. Students who have enrolled in a course and received a grade other than a "W" or who have taken the course for zero credit may not challenge that course.



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